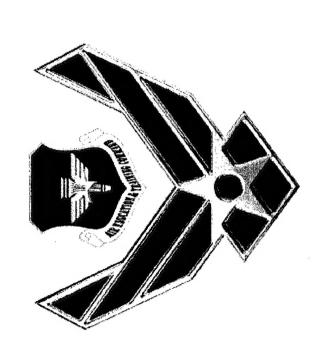
Air Education and Training Command

DISTRIBUTION STATEMENT A Approved for Public Release Distribution Unlimited Occupational Survey

Report



BIOENVIRONMENTAL ENGINEERING

AFSC 4B0X1

Mr. James Earles 21 NOV 02

Integrity - Service - Excellence

Air Force Occupational Measurement SQ



AFOMS/OAL

1550 Fifth Street East Randolph AFB, TX 78150 DSN 487–5030 https://www-r.omsq.af.mil/OMY/indexomy.htm

3

Overview



Survey background

Survey results

Implications and way ahead





Work Performed



- industrial hygiene, occupational health, radiological health, Perform, supervise, manage, and direct activities in and environmental protection
- Monitor water quality, waste treatment and disposal
- Monitor chemical spills, hazardous and toxic substances
- Monitor work environment noise, radiation, illumination, ventilation, ergonomics, and thermal stress
- Consult on chemical, biological, and radiological contaminants
- Inventory base radiation sources and monitor radioactive waste disposal and shipment

Survey Background



- Survey initiated to obtain data to:
- Evaluate current classification and training documents
- Support promotion test development
- Out of cycle (1 year early last revision of CFETP was not accepted)
- Last Occupational Survey Report OSR) - July 2000
- Current survey data collected-April-June 2002
- Components Surveyed:
- Active Duty: 3-, 5-, 7- and 9-Skill Levels
- Guard: 5-, 7- and 9-Skill Levels
- Reserve: 5-, 7- and 9-Skill Levels

Occupational Analysis Products Occupational Measurement Squadron DNCLASSIFTED

(Approved for Public Release: BIOENVIRONMENTAL Distribution Unlimited) SEPTEMBER 2002 ENGINEERING



Current Training Program





AFSC awarding course

USAFSAM/AE, Brooks AFB, TX

B3ABY4B031-002, Bioenvironmental Engineering Apprentice Course, 14 weeks, 2 days

20 Semester hours for CCAF

Programmed TPR

FY02: 148 students

FY03: 136 students

Programmed Elimination Rate

FY02: 10%

FY03: 10%



Survey Sample Characteristics



| | AD | AFRC | ANG | Total |
|----------------|-----|------|-----|-------|
| Assigned* | 828 | 71 | 195 | 1,094 |
| Mailed Out | 069 | 63 | 181 | 934 |
| Sample | 483 | 20 | 78 | 581 |
| Usable Returns | %02 | 32% | 43% | %29 |

Average time in career field for AD: 7 yrs 4 months

Average TAFMS for AD: 8 yrs 5 months

Percent of AD in first enlistment: 37%

* Assigned as of December 01





Skill Level Distribution

| | Assigned* | Sample |
|-----------|-----------|--------|
| 3-Level - | 24% | 25% |
| 5-Level - | 38% | 41% |
| 7-Level - | 36% | 31% |
| 9-Level - | 2% | 3% |

Paygrade Distribution

| Sample | 14% | 25% | 27% | 17% | 15% | 2% |
|------------------|-----------|-----|-----|-------------|-----|-----|
| Assigned" sample | 16% | 25% | 28% | 15% | 15% | 1% |
| | - က | 1 | 1 | 1 | ı | 1 |
| | E-1 - E-3 | E-4 | E-5 | 9- <u>H</u> | E-7 | E-8 |
| | | | | | | |

* Assigned as of Dec 01

Command Representation























| 7 | | 5 | |
|---|---|---|--|
| 2 | _ | • | |
| C | Ţ | Ś | |
| 8 | | | |
| 8 | _ | | |
| (| |) | |
| | • | ١ | |

| o | _ |
|---|----|
| 7 | 3 |
| 0 | D |
| 2 | |
| ζ | J) |
| Ū | ה |
| Ü | Ď |
| Š | 1 |































AETC AMC ACC AFMC USAFE PACAF AFSPC AFSPC ANG

* Assigned as of December 01

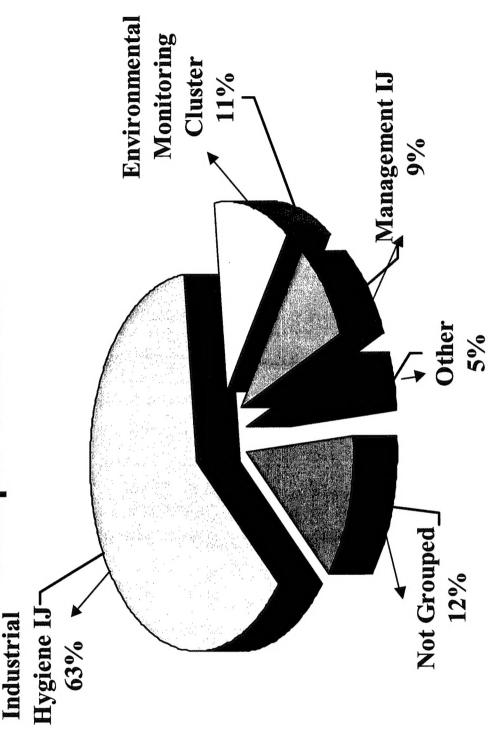


Job Structure





Sample size: 581



Other: Entry-Level Water Analysis IJ-3%, Chemical Hazards IJ-1%, Radiological Health Program IJ-1%, Respiratory Protection IJ-1%, Thermoluminescent Dosimeter IJ, Trainer IJ-1%



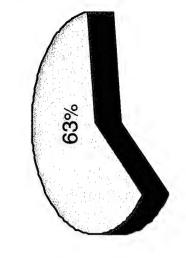
Core Independent Job





Industrial Hygiene IJ (N=346)

- Evaluate shop hazardous communication (HAZCOM) programs
- Evaluate chemical inhalation hazards
- Interview shop personnel
- Research and interpret material safety data sheets (MSDSs)
- Conduct opening and closing conferences
- Brief shop personnel on chemical, biological, or physical hazards



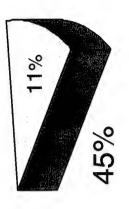


Environmental Monitoring Cluster





- Perform pH, chlorine, and fluoride analysis
- Collect, transport, and ship water samples
- Collect bulk environmental samples
- Prepare environmental samples for shipment including forms, labels, or chains of custody
- Document results of analysis and prepare reports
- Prepare or preserve sample containers



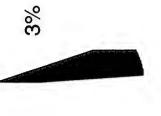
Environmental Protection Job
Entry-Level Environmental Protection Job
Environmental Protection NCOIC Job





Entry-Level Water Analysis IJ (N=15)

- Perform chlorine analysis
- Perform pH analysis
- Collect potable water samples for bacterial analysis
- Transport water samples
- Prepare water samples for shipment









Chemical Hazards IJ (N=6)

- Verify chemical inventories
- Evaluate chemical inhalation hazards
- Evaluate chemical contact or absorption rates
- Determine or establish administrative controls for chemical hazards
- Determine or establish engineering controls for chemical hazards
- Determine or establish regulated areas for chemical hazards







Radiological Health Program IJ (N=6)

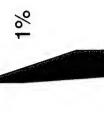
- Survey radioactive permit or material storage areas
- Inventory radioactive material sources or ionizing radiation producing devices, meters, or facilities
- Review, interpret, or record results of radiological
- Inspect radiation safety programs of x-ray facilities
- Inventory radio frequency radiation (RFR) sources
- Conduct as-low-as-reasonably-achievable (ALARA) training





Respiratory Protection IJ (N=5)

- Perform quantitative fit-testing, such as port-a-count, other than gas masks
- Perform fit testings for chemical warfare masks
- Conduct respiratory protection (RP) training
- Evaluate work areas for RP compliance
- Select RP equipment









Thermoluminescent Dosimeter (TLD) Program IJ (N=5)

Exchange TLDs

Review or interpret TLD results

Review or interpret histories of occupational exposure to ionizing radiation

Enroll personnel in TLD programs

Evaluate storage of TLDs

Prepare TLDs for shipment

Investigate exposures above action levels or overexposures to ionizing radiation

1% 9%







Management IJ (N=51)

- Write recommendations for awards or decorations
- Counsel subordinates concerning personal matters
- Interpret policies, directives, or procedures for subordinates
- Evaluate personnel to determine training needs
- Evaluate personnel for promotion, demotion, reclassification, or special award





Trainer IJ (N=7)

- Conduct formal course classroom training
- Personalize lesson plans
- Develop or procure training materials or aids
- Establish or maintain study reference files
- Determine training requirements





Career Ladder Progression





- 3- and 5-skill-level personnel
- Work in the most technical jobs in the career field
- Spend most of their time on technical tasks
- 7-skill-level personnel
- Continue to perform technical tasks
- However, take on supervisory, training, and administrative duties
- 9-skill-level personnel
- Perform technical tasks infrequently
- Spend over two-thirds of their time on management, training, and administrative duties



Percent Across Specialty Jobs DAFSC





| | DAFSC | DAFSC | DAFSC | DAFSC |
|--------------------------------------|---------|--------------|---------|--------|
| | 4B031 | 4B051 | 4B071 | 4B091 |
| CLUSTERS & JOBS | (N=147) | (N=366) | (N=265) | (N=15) |
| Industrial Hygiene IJ | 50 | 29 | 62 | 20 |
| Environmental Monitoring CLUS | 21 | - | က | * |
| Entry-level Water Analysis IJ | 10 | * | * | * |
| Chemical Hazards IJ | - | - | * | * |
| Radiological Health Program IJ | - | - | * | * |
| Respiratory Protection IJ | - | * | Ŋ | * |
| Thermoluminescent Dosimeter | က | * | * | * |
| Prog IJ | | | | |
| Management IJ | * | က | 19 | 29 |
| Trainer IJ | * | * | က | * |
| Not Grouped | 12 | 15 | 10 | 12 |

Columns may not add to 100 due to rounding.

^{*} Less than 1 percent



Percent Time Spent on Duties Career Ladder Progression



| | DAFSC |
|--|---------|
| | 4B031 |
| | (N=147) |
| Monitoring drinking water, swimming pools, or spas | 22 |
| Performing environmental monitoring | ∞ |
| Performing industrial hygiene activities | 47 |
| Performing radiological health program activities | 7 |
| Performing or practicing peacetime disaster opers | _ |
| Performing or practicing wartime disaster opers | 4 |
| Performing general admin & to system activities | - |
| Performing general supply and equipment activities | 4 |
| Performing medical readiness activities | N |
| Performing training activities | - |
| Performing management and supervisory activities | က |
| Columns may not add to 100 due to rounding. | |

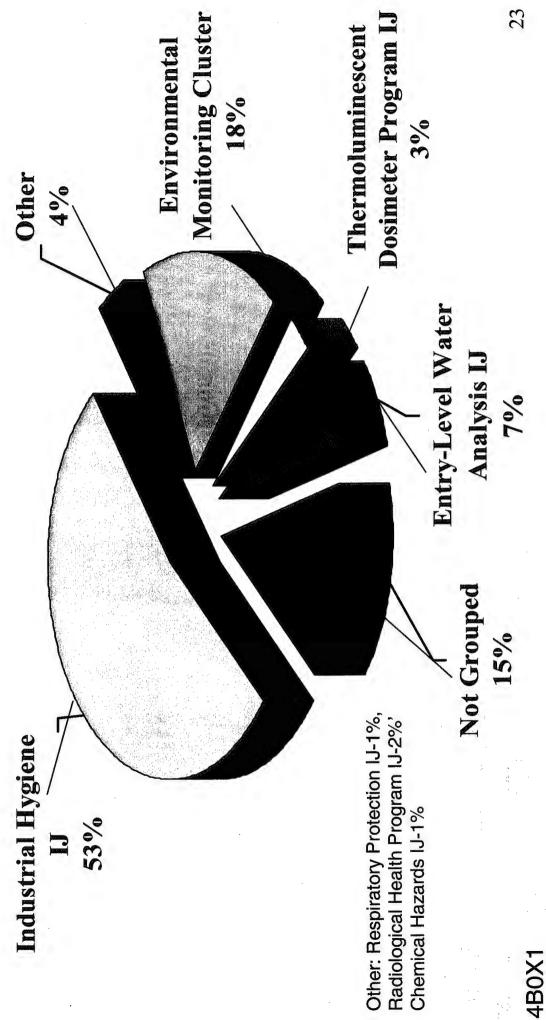
| SC DAFSC | 71 4B091 | 65) (N=15) | | 7 | | | က | 80 | ო | 4 | 4 | 10 | 53 |
|----------|----------|------------|----|----|----|---|---|----|---|---|---|----|----|
| DAFSC | 4B071 | (N=265) | Ŋ | L) | 3 | 9 | N | 7 | ന | 4 | 4 | 10 | 25 |
| DAFSC | 4B051 | (N=366) | ω | 9 | 47 | 7 | 7 | 2 | - | 4 | က | 9 | = |
| DAFSC | 4B031 | (N=147) | 22 | 80 | 47 | 7 | - | 4 | - | 4 | 2 | - | က |
| | | | | | | | | | | | | | |



First-Enlistment Job Structure



Sample size: 177





First-Enlistment Personnel Representative Tasks



| | _ | | |
|---|---|---|--|
| | Ć | | |
| - | | 4 | |
| | | | |
| | C | Ţ | |
| ı | | | |

Perform quantitative fit-testings, such as port-a-count, other than gas masks

Perform sound-level measurements, such as dBA or dBC

Verify chemical inventories

Perform noise dosimetry surveys

Perform routine ventilation surveys

Identify hazardous noise sources

Perform pH analyses

Conduct opening and closing conferences

Perform chlorine analyses

Interview shop personnel

Brief shop personnel on chemical, biological, or physical hazards Evaluate shop hazardous communication (HAZCOM) programs

Collect potable water samples for bacterial analyses

Research and interpret material safety data sheets (MSDSs) Evaluate chemical inhalation hazards

Percent Members Performing (N=177)

0

71

80

29

29

99

99

65

65 65

2 0

3 3

9



First-Enlistment Personnel Support Equipment



Percent Members Performing

| Support Equipment | (N=177) |
|--|---------|
| Calculators | 84 |
| Dosimeters, Noise | 81 |
| Quantitative Fit test Machines, Portacount | 79 |
| Air Sampling Pumps | 78 |
| Cameras, Digital | 72 |
| Wet Bulb Temperature Instruments | 72 |
| Test Kits, Chlorine pH | 71 |
| Air Sampling Sorbent Tubes, such as Charcoal Tubes | 89 |
| Computer Equipment | 89 |
| Bacteriological Water Kits | 29 |
| Personal Protective Equipment, Peacetime | 65 |
| Analyzers, Octave Band Noise | 62 |
| Meters, Sound Level | 29 |
| Air Sampling Filters | 58 |
| Samplers, Air | 99 |
| Sound Level Calipers | 99 |



First-Enlistment Personnel Software





Performing Members Percent

| Software | (N=177) |
|--|---------|
| Command Core Systems | 75 |
| Environmental Management Information System (EMIS) | 29 |
| DoD Hazardous Materials Information System (HMIS) | 58 |
| Portacount Software, such as Fit Plus and QNFT | 58 |
| Noise Dosimetry Software | 49 |
| OSHA Internet Site | 49 |
| Armstrong Laboratory Sample Guide | 29 |
| | |



First-Enlistment Personnel



Percent

Forms

| | Members |
|--|------------|
| | Performing |
| Forms | (N=177) |
| AF 2756, Noise Survey – Dosimetry | 75 |
| AF 2750, Industrial Hygiene Sampling Data | 89 |
| AF 2755, Master Workplace Exposure Data Summary | 89 |
| AF 2758, Industrial Hygiene Survey Data Sheet | 65 |
| AF 2772, Certificate of Respirator Fit Test | 63 |
| AF 2754, Chronological Record of Workplace Surveillance | 61 |
| AF 2761, Hazardous Materials Data | 54 |
| DD 2214, Noise Survey | 54 |
| AF 55, Employee Safety and Health Record | 53 |
| AF 2763, Industrial Hygiene Ventilation Presurvey | 49 |
| AF 2751, Bulk Material Sampling Data | 47 |
| AF 190, Occupational Illness/Injury Report | 46 |
| AF 2752, Environmental Sampling Data | 45 |
| AF 2762, Listing of Industrial Hygiene Sample Results | 44 |
| AF 3952, Chemical HAZMAT Material Request/Authorization | 44 |
| AF 2764, Industrial Ventilation Survey Pitot Velocity Method | 40 |
| | |



Specialty Training Standard (STS) Analysis



- STS is well supported by survey data
- Several 1a STS items were unsupported
- Only one 2b STS item unsupported
- Several STS items require proficiency code review
- These should be reviewed for possible proficiency code inclusion
- One technical task performed by 20 percent or more of members was not referenced to STS
- This task should be reviewed for possible inclusion in



Unsupported STS Elements



Examples

PERCENT MEMBERS

| | | PERFORMING | MING | | | |
|---|--------|----------------------|-----------------------|-----------|------|-----|
| UNIT LEARNING OBJECTIVE | PROF | 1ST JOB (N=58) | 1ST ENL (N=177) | TNG | TSK | ATI |
| 4.7.11. Perform speech interference level surveys Task C0165. Perform speech interference level (PSIL) surveys | 1 a | 6 | 10 | 2.53 | 5.50 | 8 |
| 4.13.4 Inventory radioactive material sources Task D0205. Inventory radioactive material sources | 1a | 6 | 11 | 3.30 5.68 | 5.68 | 7 |
| 4.25.3 Collect biological or bio-aerosol samples for indoor air quality (IAQ) Task C0148. Collect biological or bio-aerosol samples for indoor air quality (IAQ) | Sb | 5 | = | 2.91 | 6.09 | |

Mean TD Rating is 5.00, Standard Deviation is 1.00 (HIGH TD= 6.00) Mean TE Rating is 2.82, Standard Deviation is 1.68 (HIGH TE= 4.50)



STS Elements for Proficiency Review



Examples

PERCENT MEMBERS

| | ' | PERFC | PERFORMING | | | | |
|---|--------------|----------------------|-----------------------|-----------|------|-----|--|
| NIT LEARNING OBJECTIVE | PROF CODE | 1ST JOB (N=58) | 1ST ENL (N=177) | TNG | TSK | ATI | |
| .2.13. Prepare activity based survey reports ask C0108. Prepare activity based survey reports | | 38 | 51 | 5.83 5.21 | 5.21 | 48 | |
| 5.10 Research and interpret material safety data sheets (MSDS)ask C0121. Research and interpret material safety data sheets (MSDS) | - Jata | 52 | 09 | 6.06 4.34 | 4.34 | 18 | |

Mean TD Rating is 5.00, Standard Deviation is 1.00 (HIGH TD= 6.00) Mean TE Rating is 2.82, Standard Deviation is 1.68 (HIGH TE= 4.50)



Tasks not Referenced to STS





| S | |
|----|----|
| ER | (5 |
| MB | ž |
| ME | R |
| 5 | FO |
| ЙN | EB |
| RC | 9 |
| PE | |

| TNG | EMP | 5.30 |
|-----|-----|------|
| 1ST | EN | 36 |
| 1ST | OB | 40 |

ATI 10

TSK DIF 3.26

TASKS
D0221 Evaluate storage of TLDs

Mean TD Rating is 5.00, Standard Deviation is 1.00 (HIGH TD= 6.00) Mean TE Rating is 282, Standard Deviation is 1.68 (HIGH TE= 4.50)



Job Satisfaction Indicators (Current vs. Previous Study)



Job interesting

Talents well utilized

Training well utilized

accomplishment Sense of

Plan to reenlist

| l onths | 2000 (N=174) |
|----------------|-----------------|
| 1-48 N | 2002 (N=177) |

| 77 | |
|----|--|
| 29 | |

97+ Months

(N=167)



(AFSC 4B0X1 vs. Comparative Sample) Job Satisfaction Indicators



| onths Comp Sample* (N=661) | 82 | 88 | 85 | 62 | 09 | |
|---|----|----|----|----|----|--|
| 97+ Months 2002 Com 4B0X1 Samp (N=199) (N=66 | 79 | 87 | 86 | 71 | 63 | |
| Months Comp Sample* (N=306) | 92 | 83 | 82 | 72 | 62 | |
| 49-96 Months 2002 Comp 4B0X1 Sample (N=107) (N=306 | 7 | 85 | 68 | 65 | 63 | |
| 1-48 Months 2002 Comp BOX1 Sample* | 80 | 80 | 85 | 72 | 20 | |
| 1-48 N 2002 4B0X1 (N=177) | 29 | 80 | 91 | 61 | 49 | |

Training well utilized

accomplishment

Sense of

Plan to reenlist

Talents well utilized

Job interesting

^{*} Comparative sample of AFSCs surveyed in the last 12 months includes: 4C0X1, 4M0X1, 4N1X1, 4V0X1, 4Y0X2



Job Satisfaction Indicators (AD) (Across Specialty Jobs)



| | Industrial Hygiene IJ (N=275) | Environ Monitoring Cluster (N=62) | Entry-Lvl Water Analysis IJ (N=15) | Chemical Hazards · IJ (N=5) | |
|-------------------------|--|--|--|--------------------------------------|--|
| Job interesting | 75 | 63 | 09 | 80 | |
| Talents well utilized | 87 | 29 | 87 | 80 | |
| Training well utilized | 91 | 85 | 66 | 100 | |
| Sense of accomplishment | 69 | 63 | 73 | 80 | |
| Plan to reenlist | 63 | 20 | 27 | 0 | |
| | | | | | |



Job Satisfaction Indicators (AD) (Across Specialty Jobs cont.)



| | Radiological Health Program IJ (N=6) | TLD Program IJ (N=5) | Mgmt LJ (N=51) | Trainer IJ (N=6) | |
|-------------------------|--|-------------------------------|----------------------|------------------------|--|
| Job interesting | | 80 | 82 | | |
| Talents well utilized | 20 | 80 | 86 | 29 | |
| Training well utilized | 83 | 100 | 78 | 83 | |
| Sense of accomplishment | 29 | 80 | 63 | 29 | |
| Plan to reenlist | 50 | 0 | 43 | 33 | |
| | | | | | |



First-Term Airmen (N=177) Retention Dimensions



| | Percent | |
|---|------------|---------|
| Planning to Reenlist (N=87) | Responding | Average |
| Job security | 75 | 2.55 |
| Medical or dental care for AD member | 72 | 2.63 |
| Military-related education/training opportunities | 29 | 2.47 |
| Off-duty education and training opportunities | 62 | 2.54 |
| Medical or dental care for family members | 09 | 2.67 |
| | | |

Planning to Separate (N=90)

| Military lifestyle | 58 | 2.46 |
|--------------------------------|----|------|
| Civilian job opportunities | 44 | |
| Location of present assignment | 42 | 2.50 |
| Esprit de corps/morale | 40 | 2.47 |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Second-Term Airmen (N=107) Retention Dimensions





| | Percent | |
|--|------------|---------|
| Planning to Reenlist (N=67) | Responding | Average |
| Bonus or special pay | 62 | 2.64 |
| Medical or dental care for AD member | 20 | 2.64 |
| Retirement benefits | 29 | 2.62 |
| Pay and allowances | 99 | 2.16 |
| Off-duty education or training opportunities | 63 | 2.55 |

Planning to Separate (N=39)

| 74 2.60 | 54 2.38 | 49 2.58 | 2.44 | 46 2.59 |
|-------------------------|--------------------|------------------------|--------------------|------------------------|
| 7 | (1) | 4 | 4 | 4 |
| Promotion opportunities | Military lifestyle | Esprit de corps/morale | Pay and allowances | Recognition of efforts |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Retention Dimensions Career Airmen (N=199)



| | Percent | |
|---|------------|---------|
| Planning to Reenlist (N=125) | Responding | Average |
| Retirement benefits | 89 | 2.79 |
| Job security | 62 | 2.53 |
| Off-duty education and training opportunities | 29 | 2.39 |
| Military lifestyle | 54 | 2.10 |
| Pay and allowances | 52 | 2.52 |

Planning to Separate (N=19)

| Civilian job opportunities | 53 | 2.60 |
|----------------------------|----|------|
| Pay and allowances | 42 | 2.38 |
| Additional duties | 42 | 1.75 |
| Unit manning | 42 | 2.38 |
| Esprit de corps/morale | 42 | 2.12 |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Summary of Results





- Career ladder progression typical
- Highly technical at 3-skill level progressing to more managerial at 7-skill level and beyond
- Career ladder documents well-supported by survey data
- STS provides comprehensive coverage of work performed by career ladder
- Review of some items warranted
- Job satisfaction indicators
- Lower job interest and sense of accomplishment compared to previous study for first-enlistment personnel
- Lower job interest and sense of accomplishment compared to similar AFSCs for first-enlistment personnel



Way Ahead

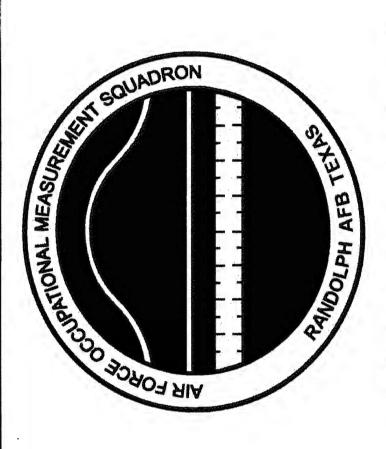


- Workshop (U&TW) was 24-28 Jun 02 at Brooks OSR Delivery Trip and Utilization and Training AFB
- Next SKT rewrite (major) is scheduled for Jun 03



Questions?





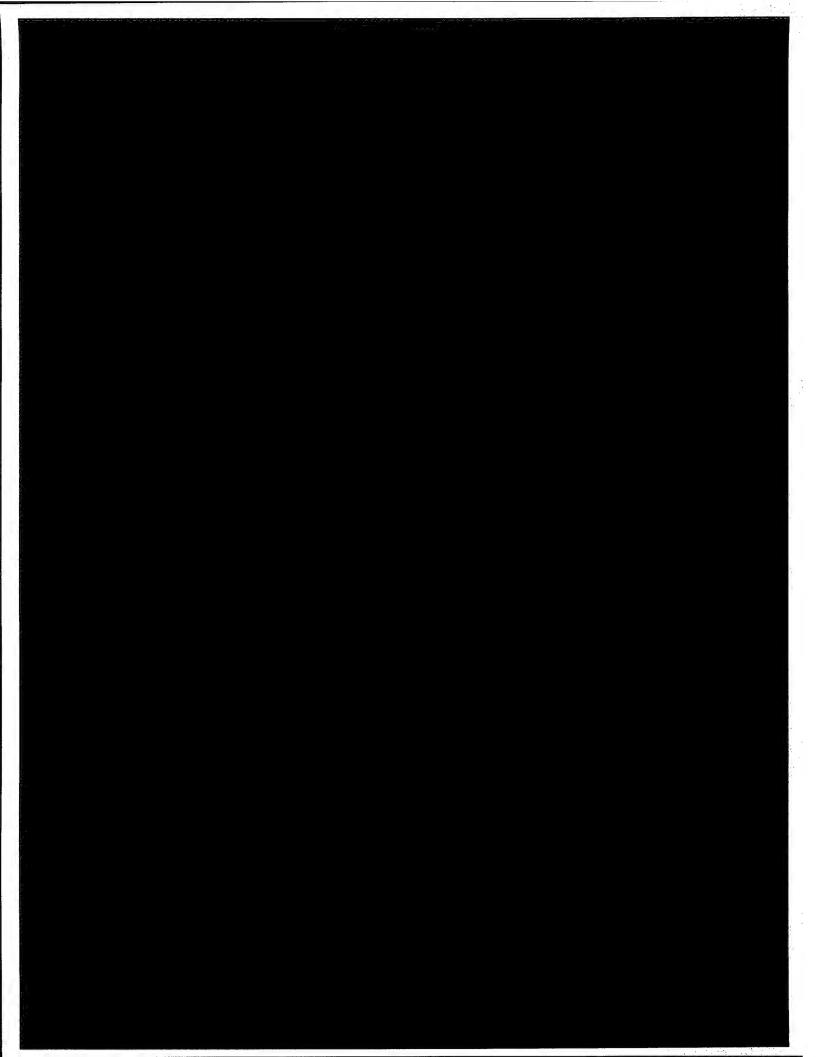
Visit our web site at:

https://www-r.omsq.af.mil/OMY/indexomy.htm

E-Mail: james.earles@randolph.af.mil



Integrity - Service - Excellence







Back-Up Slides





Job Survey Background



- Previous JI and OSR
- JI: 4B0X1-Jan 00, Lt Rahmer
- OSR: 4B0X1-Jul 00, Ms Williams
- Programming Support- Ms. Tilghman
- Issues from Last Post-Analysis Review
- None



JI Development (# Interviewed) **Bases Visited during**



Brooks AFB, TX (Tech School) (6)

11-12 Oct 01

24 Oct

Andrews AFB, MD (7)

8 Nov

Eglin AFB, FL (5) Seymour Johnson AFB, NC (4)

15 Nov

Robins AFB, GA (3)

28 Nov

Brooks AFB, TX (Tech School) (3)

6 Dec



Job Structure Glossary



- incumbents perform many of the same tasks and spend relatively the same amount of time Job: A group of similar positions where performing these tasks
- Cluster: A series or group of related jobs which variable (weapon system maintained, ratio of are distinguishable from each other on some supervisory to technical tasks, etc.)
- Independent Job: A job that does not fall within any cluster
- N: Number in sample



Career Ladder Progression



- "Typical" career ladder progression
- which include very few administrative/supervisory tasks 3-Skill-Level apprentices perform a very technical job
- 5-Skill-Level journeymen still primarily perform a technical job, but acquire a mix of administrative/supervisory tasks
- supervisory, managerial, and administrative tasks, with 7-Skill-Level managers, and above, primarily perform relatively few technical tasks
- "Atypical" career ladder progression
- amount of their total job time performing technical duties, 7-Skill-Level personnel are still spending a significant with relatively few administrative/supervisory tasks



Training Document Analysis



- Tasks from job inventory are matched to items in the STS and POI
- Match is usually conducted with technical school personnel
 - indicating applicability of training documents to work Final product provides technical school with data performed in the field in terms of:
- Percent members performing (PMP) from AETCI 36-2601
- * 20% PMP for STS
- » 30% PMP for POI
- TE and TD ratings
- Listing of tasks not referenced to training document also provided
- May indicate areas where training coverage is lacking



Task Factor Definitions





- NCOs identifying those tasks that should be emphasized Training Emphasis (TE): Task list completed by senior for structured training of first-term airmen
- Task Difficulty (TD): Task list completed by senior NCOs which rates the relative difficulty of each task to learn
- Automated Training Indicators (ATI): Indicators derived from comparing percent performing data with TE and TD data to assist in making training decisions



Predictive Retention Indicators



- Military lifestyle
- Pay and allowances
- Bonus or special pay
- Retirement Benefits
- Military related education/Training opportunities
- Off-duty education and training opportunities
- Medical or dental care for active duty member
- Medical or dental care for family members
- Base housing
- Base services
- Childcare needs
- Spouse's career
- Civilian job opportunities
- Equal employment opportunities

- Number of PCS moves
- Location of present assignment
- Number/Duration of TDY's or deployments
- Work schedule
- Additional duties
- Job security
- **Enlisted Evaluation System**
- Promotion opportunities
- Fraining/Experience of unit personnel
- Unit manning
- Unit resources
- Unit readiness
- Recognition of efforts
- Esprit de corps/Morale
- Leadership of immediate supervisor
- Senior Air Force leadership



First-Term Airmen (N=177) Retention Dimensions



| | Percent | | |
|---|------------|---------|------|
| Planning to Reenlist (N=87) | Responding | Average | S.D. |
| Job security | 22 | 2.55 | .70 |
| Medical or dental care for AD member | 72 | 2.63 | 09. |
| Military related education/training opportunities | 29 | 2.47 | .65 |
| Off-duty education and training opportunities | 62 | 2.54 | .71 |
| Medical or dental care for family members | 09 | 2.67 | .64 |

Planning to Separate (N=90)

| | | 7. | | |
|--------------------|--------------------|----------------------------|--------------------------------|------------------------|
| 2.46 | 2.48 | 2.47 | 2.50 | 2.47 |
| 28 | 47 | 44 | 42 | 40 |
| | | | | |
| Military lifestyle | Pay and allowances | Civilian job opportunities | Location of present assignment | Esprit de corps/morale |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Second-Term Airmen (N=107) Retention Dimensions



| | Percent | | |
|--|------------|---------|------|
| Planning to Reenlist (N=67) | Responding | Average | S.D. |
| Bonus or special pay | 62 | 2.64 | 89. |
| Medical or dental care for AD member | 20 | 2.64 | .56 |
| Retirement benefits | 29 | 2.62 | .64 |
| Pay and allowances | 99 | 2.16 | .65 |
| Off-duty education or training opportunities | 63 | 2.55 | .62 |

Planning to Separate (N=39)

| Promotion opportunities | 74 | 2.60 | .49 |
|-------------------------|----|------|-----|
| Military lifestyle | 54 | 2.38 | .65 |
| Esprit de corps/morale | 49 | 2.58 | .59 |
| Pay and allowances | 46 | 2.44 | .60 |
| Recognition of efforts | 46 | 2.59 | 69. |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence



Retention Dimensions Career Airmen (N=199)



| | Percent | | |
|---|------------|---------|------|
| Planning to Reenlist (N=125) | Responding | Average | S.D. |
| Retirement benefits | 89 | 2.79 | .51 |
| Job security | 62 | 2.53 | 69. |
| Off-duty education and training opportunities | 59 | 2.39 | .73 |
| Military lifestyle | 54 | 2.10 | .74 |
| Pay and allowances | 52 | 2.52 | .61 |

Planning to Separate (N=19)

| 53 |
|----|
| 42 |
| 4 |
| 42 |

Scale: 1 = slight influence, 2 = moderate influence, 3 = strong influence